

ABSTRACT

An impeller pump for a fluid includes a rotary impeller (10; 20) and a pump casing (4). The pump casing defines a first pump channel (51) and a second pump channel (71). The impeller is disposed within the pump casing and opposes to the first pump channel and the second pump channel, respectively. The fluid discharged from the first pump channel and the fluid discharged from the second pump channel converge at a convergence channel (62). A pulsation canceling device serves to cancel pulsations of the fluid discharged from the first pump channel and the second pump channel, respectively. An impact reducing device (155, 175; 357; 455, 457; 555, 557) serves to reduce impacts produced by at least one of the flow of the fluid from the first pump channel and the flow of the fluid from the second channel.